CONSTRUCTION STANDARDS AND SPECIFICATIONS



CITY OF SOUTH JORDAN Department of Municipal Services

Updated: February 2022

INTRODUCTION

0.1 GENERAL

The purpose of the Construction Standards and Specifications is to govern any work done or improvements installed within the City of South Jordan including but not limited to excavation, construction, roadwork and public utilities. construction shall conform to the South Jordan City Code, these construction standards and specifications, the latest edition of the APWA Manual of Standard Specifications and Manual of Standard Plans, the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) and any state or federal regulations and permit requirements of various governing bodies. Chapter 2 of these Construction Standards and Specifications serves as a supplemental to the APWA manuals. Wherever there are differences between the supplements and APWA, the most stringent or highest requirement shall govern. The Contractor is responsible to know and conform to the appropriate codes, regulations, drawings, standards and specifications. Contractors should thoroughly read and understand these associated documents before performing any work in the City. The order of precedence in case of conflict shall be (1) South Jordan City construction standards and specifications (2) APWA (3) The approved construction drawings.

This document sets forth the procedure for designing and preparing plans and specifications for projects in the City. All submitted plans shall be signed by a civil engineer registered in the State of Utah and all work shall be in accordance with good engineering practices. Any changes from the final approved set of plans must be revised by the design engineer with stamp and signature and submitted to the South Jordan City Engineering Department for approval.

TABLE OF CONTENTS

INTRODUCTION

0.1 GENERAL

CHAPTER 1 STANDARD NOTES

- 1.1 GENERAL
- 1.2 TRAFFIC
- 1.3 STREET LIGHT
- 1.4 GRADING
- 1.5 FIRE DEPARTMENT
- 1.6 WATER

CHAPTER 2 AMENDMENTS TO APWA STANDARD PLANS AND SPECIFICATIONS

- 2.1 GENERAL
- 2.2 SUPPLEMENTS TO APWA

CHAPTER 3 CULINARY WATER

- 3.1 INTRODUCTION AND GENERAL POLICIES
- 3.2 DESIGN CRITERIA
- 3.3 MATERIALS
- 3.4 PLAN PREPARATION
- 3.5 FEES, CHARGES AND REQUIREMENTS FOR
- 3.6 CONSTRUCTION STAKING
- 3.7 CONSTRUCTION
- 3.8 ABANDONMENT
- 3.9 TESTING AND DISINFECTING WATER MAINS
- 3.10 WATER SYSTEM AND WORK AREA CLEAN-UP
- 3.11 CROSS CONNECTIONS & BACKFLOW PREVENTION
- 3.12 RESERVOIRS AND PUMPING STATIONS
- 3.13 WATER SYSTEM MODELING REQUIREMENTS

CHAPTER 4 LANDSCAPE AND IRRIGATION

- 4.1 GENERAL
- 4.2 PRODUCTS
- 4.3 EXECUTION

CHAPTER 5 SECONDARY WATER

- 5.1 GENERAL POLICIES
- 5.2 DESIGN CRITERIA

CHAPTER 6 STORM DRAIN

- 6.1 GENERAL
- 6.2 REINFORCED CONCRETE PIPE
- 6.3 POLYPROPYLENE PIPE
- 6.4 STORM DATA AND IDF CURVE

CHAPTER 7 STREETS

- 7.1 FLEXIBLE PAVEMENT DESIGN
- 7.2 TESTING MATERIALS
- 7.3 CURB, GUTTER AND SIDEWALK
- 7.4 PARK STRIPS
- 7.5 STREET REPAIR / REPAVING POLICY
- 7.6 STREET WIDENING
- 7.7 STREET SIGNS
- 7.8 RESIDENTIAL STREET LEVEL OF SERVICE
- 7.9 TEMPORARY ROAD STANDARD
- 7.10 PUBLIC STREET CHECKLIST

CHAPTER 8 STREETLIGHTS

- 8.1 STREET LIGHT CATEGORIES
- 8.2 INSTALLATION

CHAPTER 9 LAND DISTURBANCE DESIGN AND CONSTRUCTION STANDARDS MANUAL

- 9.1 INTRODUCTION AND GENERAL POLICIES
- 9.2 DESIGN CRITERIA
- 9.3 MATERIALS
- 9.4 PLAN PREPARATION
- 9.5 FEES, CHARGES AND REQUIREMENTS FOR AUTHORIZATION OF CONSTRUCTION
- 9.6 CONSTRUCTION STAKING
- 9.7 CONSTRUCTION
- 9.8 ABANDONMENT
- 9.9 TESTING
- 9.10 WORK AREA CLEAN-UP
- 9.11 REQUIREMENTS FOR FINAL ACCEPTANCE

APPENDIXES

- A STANDARD DRAWINGS
- B TITLE 16.44 LAND DISTURBANCE ORDINANCE
- C CITY OF SOUTH JORDAN STORM WATER MANAGEMENT PLAN
- D LAND DISTURBANCE ORDINANCE PLAN CHECKLIST, APPLICATION AND AGREEMENT
- E LAND DISTURBANCE PERMIT APPLICATION AND AGREEMENT
- F EROSION AND SEDIMENT CONTROL PLAN, PRECONSTRUCTION MEETING INFORMATION
- G LAND DISTURBANCE PERMIT, EROSION SEDIMENT CONTROL PLAN, INSPECTION AND MAINTENANCE FORM
- H STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

CHAPTER 10 DRINKING WATER SOURCE PROTECTION

CITY ORDINANCE CHAPTER 16.50

APPENDIX A MAP: ZONES OF INFLUENCE FOR JVWCD WELLS

APPENDIX B RESTRICTED AND PROHIBITED USES IN WATER SOURCE

PROTECTION ZONES

DRAWING INDEX

WATER

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- 3010 TRENCH CROSS SECTION TERMINOLOGY & STANDARD SIZES
- 3040 VALVE BOX INSTALLATION
- 3045 MECHANICAL JOINT TAPPING SLEEVE
- 3050 LOCATION OF FIRE HYDRANTS
- 3055 FIRE HYDRANT INSTALLATION WITH MAIN IN THE ROADWAY
- 3056 FIRE HYDRANT INSTALLATION WITH MAIN OUTSIDE THE ROADWAY
- 3060 WASHOUT VALVE ASSEMBLY
- 3065 WATER METER LOCATION
- 3070 COMBINATION AIR VACUUM VALVE ASSEMBLY
- 3075 AIR VENT DETAIL
- 3080 DIRECT BEARING THRUST BLOCKS
- 3085 TIE DOWN THRUST RETRAINTS
- 3090 3/4" and 1" METER SERVICE
- 3091 1 1/2" and 2" METER SERVICE
- 3092 METER SERVICE
- 3095 3/4" 2" WATER METER PLAN SERVICE INSTALLATION
- 3100 3" 8" WATER VAULT DETAIL
- 3110 SAMPLING TAP FOR RESIDENTIAL SUBDIVISIONS
- 2001 BACKFLOW PREVENTION DEVICE IRRIGATION CONNECTION
- ----- WATER MANHOLE COVER
- ----- CONDUIT TERMINATION UNDER EQUIPMENT
- 1 of 3 PRV VAULT DETAILS
- 2 of 3 PRV VAULT DETAILS
- 3 of 3 PRV VAULT DETAILS
- ----- RTU PEDESTAL ELEVATION

IRRIGATION

IRR-01 LINE DRAWING TRANSFORMER ENCLOSURE

IRR-02 STRONG BOX COMBO METER ENCLOSURE

IRR-03 LINE DRAWING TRANSFORMER ENCLOSURE

IRR-04 PEDESTAL MOUNT CONTROLLER

IRR-05 SLEEVING

IRR-06 STOP & WASTE VALVE

IRR-07 BACKFLOW RPA

IRR-08 BACKFLOW COVER

IRR-09 PIPE & WIRE TRENCH

IRR-10 THRUST BLOCKING

IRR-11 LARGE GATE VALVE

IRR-12 MANUAL DRAIN

IRR-13 CONTROL VALVE MANIFOLD SCH-80

IRR-14 CONTROL VALVE MANIFOLD HARCO

IRR-15 QUICK COUPLER VALVE

- IRR-16 REMOTE CONTROL VALVE
- IRR-17 4 INCH POP-UP SPRAY HEAD
- IRR-18 6 INCH POP-UP SPRAY HEAD
- IRR-19 12 INCH POP-UP SPRAY HEAD
- **IRR-20 SMALL ROTOR HEAD**
- **IRR-21 MEDIUM ROTOR HEAD**
- IRR-22 MEDIUM ROTOR SHRUB RISER
- **IRR-23 SPORTS TURF HEAD**
- **IRR-24 TREE WATERING SYSTEM**
- IRR-25 IN LINE DRIP GRID LAYOUT
- IRR-26 DRIP SUB SURFACE TURF
- **IRR-27 DRIP ON SLOPE**
- IRR-28 DRIP POINT SOURCE EMITTER
- IRR-29 DRIP PVC TO PE CONNECTION

SECONDARY

- 2001 BACKFLOW PREVENTION DEVICE IRRIGATION CONNECTION
- 2002 SECONDARY WATER LATERAL LAYOUT
- 2005 VALVE BOX INSTALLATION
- 2006 DIRECT BEARING THRUST BLOCKS TIE DOWN RESTRAINTS
- 2007 TIE DOWN THRUST RESTRAINTS
- 2008 WASHOUT VALVE ASSEMBLY
- 2010 SECONDARY WATER AIR VACUUM RELEASE VALVE
- 2011 SECONDARY RESIDENTIAL INSTALLATION
- 2012 SECONDARY WATER SERVICE CONNECTION
- 2014 PRESSURE IRRIGATION CANAL GATE AND WEIR BOX
- 2015 PRESSURE IRRIGATION CANAL GATE AND WEIR BOX
- 2016 DRAIN VALVE DETAIL
- 2017 COVER COLLAR
- 2020 IRRIGATION SLIDE GATE DETAIL
- 2021 HEADWALL DETAIL
- 2022 HEADWALL DETAIL
- 2023 SILT TRAP BOX DETAIL
- 2024 SECONDARY WATER METER BOX

STORM DRAIN

- SD-1 MANHOLE COVERS
- SD-2 MANHOLE COVERS 2
- SD-3 STORM DRAIN MARKERS
- SD-4 STORM DRAIN MARKER ANCHORS
- 4010 DRY WELL
- 4015 RIPRAP APRON

STREETS

- 3010 TRENCH CROSS SECTION TERMINOLOGY & STANDARD SIZES
- 3012 ROAD WIDENING
- S-1 ROAD WIDTHS AND BORDER AREAS
- S-2 SINGLE FAMILY REAR AND SIDE PARK STRIPS ON COLLECTOR STREETS
- S-3 SIGN POSTS
- SN 10B SLIP BASE SIGN BASE (B3) INSTALLATION
- **DT-01 CURB EXTENSION**
- 3020 SIGNAGE FOR GARBAGE ROUTES

STREETLIGHT

SL-1 STANDARD UTILITY TRENCH

SL-2 ELECTRICAL BOX LID

SL-3 STEELIGHT PEDESTALS

TSG 007077 CATEGORY 1a STREETLIGHT TSG 002636 CATEGORY 1b STREETLIGHT TSG 003175 CATEGORY 2 STREETLIGHT TSG 007220 CATEGORY 3 STREETLIGHT TSG 003314 CATEGORY 4 STREETLIGHT

SP-6224-GLV CABLE RETAINER ASSEMBLY FOR 4" FOUNDATIN ANCHOR SP-6200-GLV CABLE RETAINER ASSEMBLY FOR 6" FOUNDATIN ANCHOR SP-6205-GLV CABLE RETAINER ASSEMBLY FOR 8" FOUNDATIN ANCHOR

SP-6358-GLV TUBE ASSEMBLY FOR 6" CABLE RETAINER
PB-5520 DOOR ASSEMBLY TB1-17 TRANSFORMER BASE
PB-5526 DOOR ASSEMBLY TB1-20 TRANSFORMER BASE